

NOVEMBER/DECEMBER 2025

**FEEL63B/CEEL63B – COMPUTER
NETWORKS**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Give the importance of broadcast link.
2. Outline the need for switching.
3. What is transmission media?
4. Write the significance of static channel allocation.
5. Write any two error coding.
6. What is CRC?
7. What is datagram network?
8. What is meant by load shedding?
9. Outline the significance of presentation layer.
10. State the meaning of compression.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions.

11. (a) Compare horizontal and vertical distribution.

Or

- (b) Describe the working of OSI model in detail.

12. (a) Discuss the working of physical layer 802.16.

Or

- (b) Classify S-ALOHA and finite ALOHA.

13. (a) Discuss in detail framing.

Or

- (b) Outline the significance of sliding window protocols.

14. (a) Describe the working of repeaters and bridges.

Or

- (b) Summarize internetworking process.

15. (a) Discuss in detail cryptography method.

Or

- (b) Explain coding with an example.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss in detail circuit switching and message switching.

17. Elucidate wireless LAN protocols.

18. Interpret error detection and protection process.

19. Explain routing algorithms in detail.

20. Evaluate high performance networks in detail.